

BEFORE YOU BEGIN:

Check supplies to ensure all parts are present.

Materials Provided

One triple D battery pack



One double A battery pack



Replacement cover gasket



Molykote lubricant

Dry pack



Zip tie

Replacement screws



Tamper proof wire seal



Tamper proof stickers



I. Removing the cover

1. Remove the warranty stickers from the left and right sides of the cover rim.

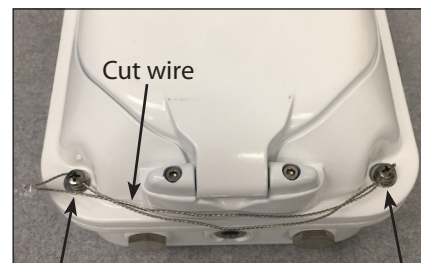
NOTE: This step not required for battery installation in new meters.



Right side (sticker removed)

2. Cut off the tamper proof seal and remove the wire from the security screws.

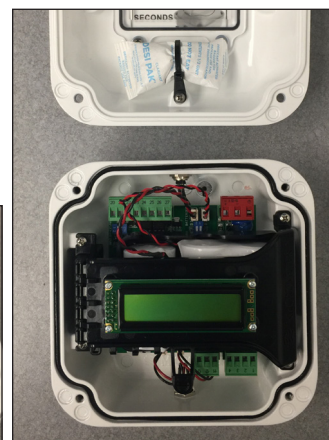
NOTE: This step not required for battery installation in new meters.



Security screw

Security screw

3. Remove screws holding the lid to the housing. Lift the lid up and remove the screws and lock washers. Set them aside and place the lid upside.



If you are replacing batteries with fresh batteries, continue to step 4.

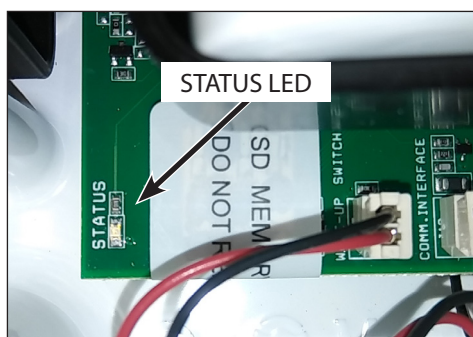
If you are installing batteries in a new meter that does not have batteries already installed, go to step 11.

II. Shutting off the system

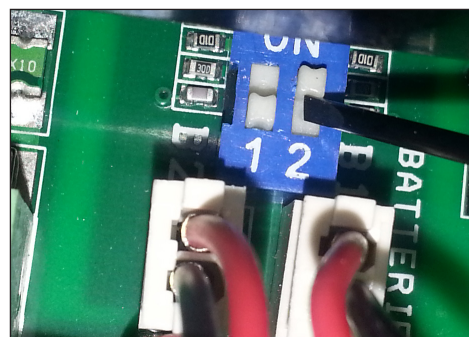
IMPORTANT! You must follow the next steps in this specific order to insure the unit does not reset the internal time clock. If you have the Data Logger Software and communication cable, disregard these next steps. The clock may be set with software once the unit is re-assembled.

Note: Leaving the unit powered down for an extended amount of time will cause a delay of the clock.

4. Watch the STATUS LED to make sure it is blinking at a fast pace.
5. Wait for the unit to go to sleep.
6. Watch for the STATUS LED to blink at a very slow pace (about every 15 seconds).



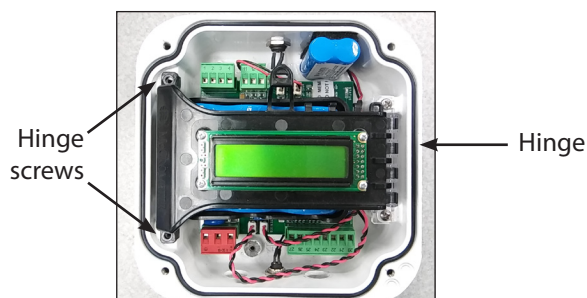
7. **IMPORTANT!** After the STATUS LED blinks one time, use a small flat head screw driver to turn off DIP switch number 2 (B1) FIRST. Then switch off DIP switch number 1 (B2).



III. Removing the batteries

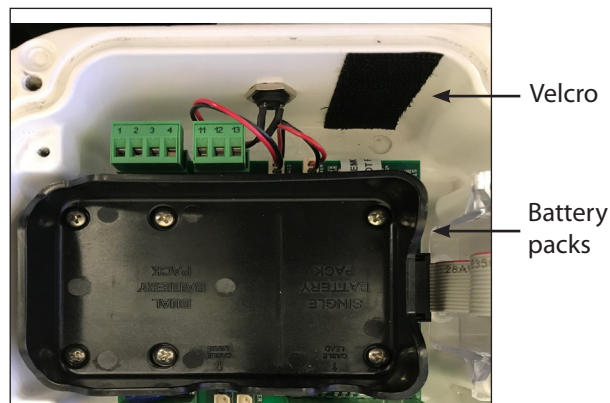
8. Remove the screws opposite of the hinge of the LCD display / battery cover and flip open the battery cover.

Depending on the age of your meter and converter box, your batteries will be one of the two types shown below.



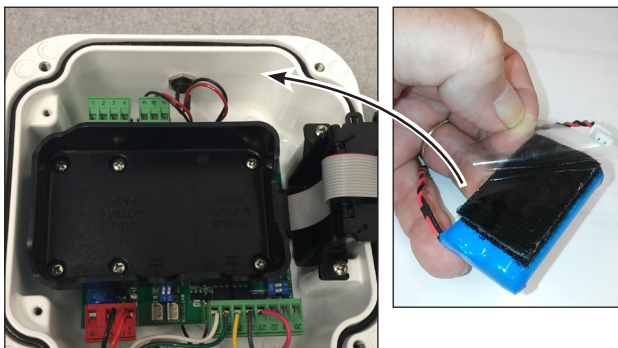
9. Unplug the batteries.

10. Remove the batteries. The older style has two large packs in the tray, while the newer style has one large pack in the tray and one small pack attached to the chassis with Velcro.



IV. Installing the batteries and restoring the power

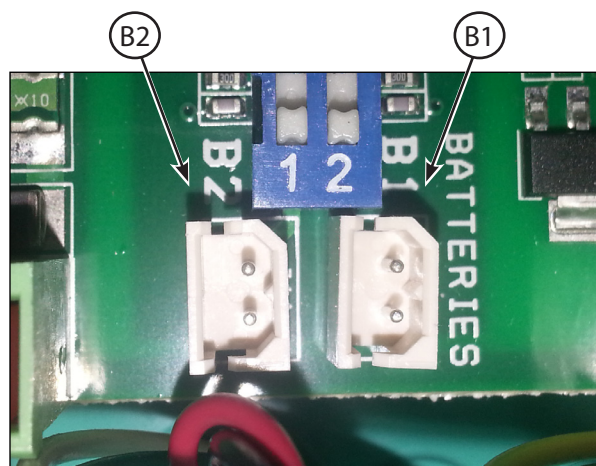
11. If there is no strip of Velcro on the side of the chassis, remove the clear adhesive protective strip from the small battery pack and press the entire battery pack in place as shown in the picture at right.



12. Set the batteries in place, making sure the wires extend toward the battery connectors.

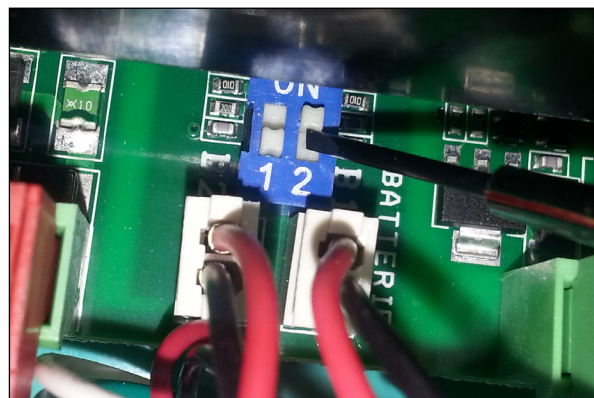


13. Plug the batteries into the circuit board.
- The single battery pack goes to connector B1.
 - The double battery pack goes to connector B2.

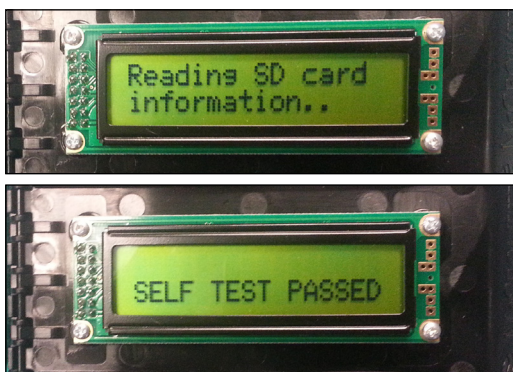


14. Using a small flat head screwdriver, move DIP switch 2, labeled B1, to the ON position. Then move DIP switch 1, labeled B2 to the ON position.

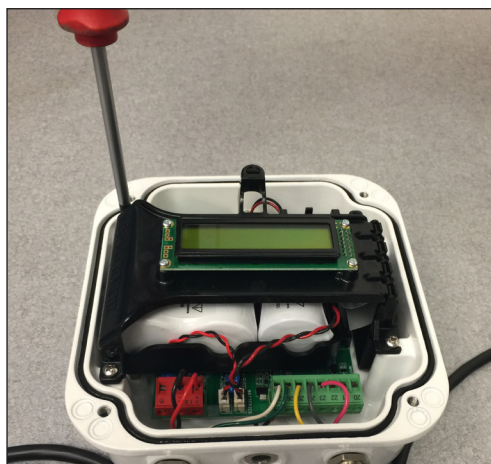
IMPORTANT! Make sure to move DIP switch 2, labeled B1 FIRST. An incorrect boot-up will occur if B1 is not powered first.



15. Set the hinged LCD/internal battery cover back in place to see the display. The unit will start to power up. You will see the start screen as it goes through a boot up mode. Ensure that the unit is powered normally and there are no alarms.



16. Replace the two screws that hold the LCD/battery cover.

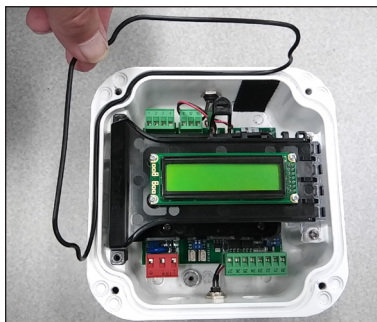


V. Replacing the gasket

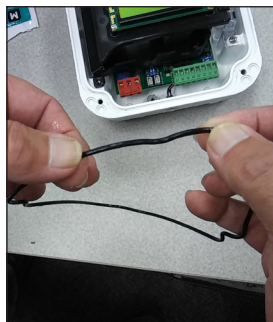
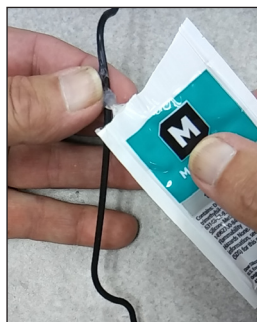
If you installed replacement batteries, we recommend that you replace the gasket.

If you installed new batteries, you must set the gasket in place before replacing the cover and closing up the unit.

17. If your unit has a gasket, remove it.



18. Apply a light coating of Molykote to the replacement gasket.



19. Place the gasket in the groove and press it in.



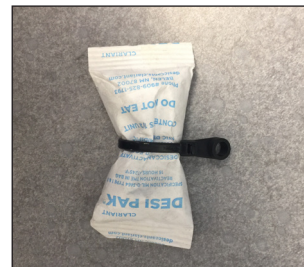
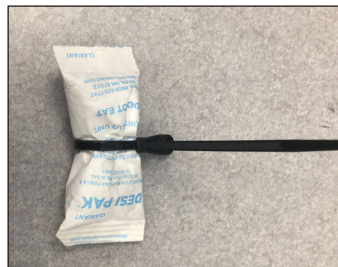
VI. Replacing the cover

The dry pack must be set in place when new batteries are installed and replaced when batteries are replaced.

20. Remove the screw holding the dry pack and zip tie on the converter lid.



21. Wrap the new zip tie around the new dry pack. Cut the excess of the zip tie.



22. Install the new zip tie with dry pack onto the converter lid.



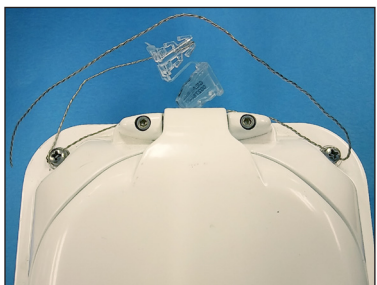
23. Place the converter lid onto the housing. Insert the screws, washers and lockwashers as shown at right and tighten them firmly.



Be sure the security screws (smaller screws with holes) are installed towards the back.



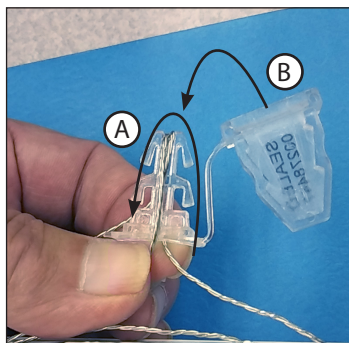
24. Guide the tamper proof seal through the holes in the screws as shown.



25. Connect the tamper proof wire as follows:

(A) Run the wire up the back channel and down front channel of the plastic connector.

(B) Snap the plastic connector lid into place.



26. Apply new warranty stickers.

